







# NEW PRODUCT UPDATE JULY 2013 PROFESSIONAL AUDIO PRODUCT CATALOGUE

Now Sound is a Specialist Audio
Distribution and Design Company.
We realise as audio professionals the tools
you use every day have to work.
No excuses.

# Visit Now Sound's new hub...

We have moved into a new office, with demo rooms showcasing the quality products and brands we proudly represent.

Our doors are open 8.30 - 5pm weekdays. Stop in, or contact us to arrange a product demo.

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# **INDEX**

- **03** MICROPHONES
- **05** WIRELESS SYSTEMS
- 09 CONFERENCING SYSTEMS
- 11 EARPHONES / MEDIA PLAYER / TRANSMISSION
- 12 MIXER / ZONE PROCESSOR
- **13** AMPLIFIERS
- 15 LOUDSPEAKERS / SUBS
- 17 FREQUENCY BAND GUIDE / INDEX

# Centraverse Microphones

# Cost Effective, Quality Audio, Elegant design.

Shure Centraverse<sup>™</sup> (CV) Installed Sound Microphones deliver high quality, reliable audio no matter what the application is. From meeting rooms to houses of worship, podiums to desktops, CV microphones come complete with all you need to ensure a quick and efficient sound solution, every time.



All CV models are equipped with Commshield® RF Filtering Technology

- Guards against unwanted RF Interference from portable wireless devices (smartphones, etc.)
- High resistance to intense nearby radio signals









### **BOUNDARY**



#### **SHURE CVB**

Professional boundary electret condenser microphone for use in desktop installed sound reinforcement applications. Available in cardioid and omnidirectional polar patterns and black or white color options, its low-profile design fits seamlessly within any design aesthetic.

- Available in cardioid or omnidirectional polar patterns
- Black and white color options
- Attached 12 ft XLR cable
- Superior Shure design and rugged, dependable construction

Available in two configurations:

- Cardioid (Black = CVB-BC / White = CVB-WC)
- Omnidirectional (Black = CVB-BO / White CVB-WO)



### GOOSENECK



#### **SHURE CVG**

Professional gooseneck electret condenser microphone for use in general installed sound reinforcement applications. Designed with dual gooseneck sections for full articulation, the CVG12 and CVG18 provide scalable, best-in-class performance in a wide variety of locations, including podiums and desktops.

- Cardioid polar pattern with tailored response for speech
- Dual-section gooseneck enables ease of positioning and placement options
- Available in 12" (30.4 cm) and 18" (45.7 cm) gooseneck lengths
- Integrates with available Desktop Base accessory (CVD-B)
- Ships complete with included flange mount and available snap-fit windscreens (ACVG4WS-B - 4 pack)

Available in three configurations:

- With Inline Pre-amplifier (CVG12 / CVG18)
- With Mute switch/LED, Inline Pre-amplifier (CVG12S / CVG18S)
- With Light-ring, Mute Switch, Inline Preamplifier (CVG12RS / CVG18RS)

#### OVERHEAD



#### **SHURE CVO**

Professional low profile electret condenser microphone designed for overhead sound reinforcement applications. An integrated wire aiming hanger provides for optimal placement above choirs and other ensembles with minimal effort.

- Cardioid polar pattern with tailored response for speech
- Black and white color options
- Attached 25 ft XLR cable
- Available snap-fit windscreen (ACVO4WS-B/W 4 pack)

#### **CV** Accessories:

#### ▶ Desktop Base w/XLR for CVG Mics

CVD-B ... Black
Use this base with the CVG
gooseneck mics to create a desktop
gooseneck microphone.
Includes a 12" cable with XLR
connector.



#### ▶ Microphone Windscreens

ACVG4WS-B CVG Windscreen 4 pack ... Black ACVO4WS-B CVO Windscreen 4 Pack ... Black ACVO4WS-W CVO Windscreen 4 Pack ... White

# VP Camera-Mount Shotgun Microphones







#### **SHURE VP83F**

Camera-Mount Shotgun Microphone with Integrated Flash Recording. Compact, rugged microphone for high-definition audio capture + integrated digital flash recording with DSLR cameras and HD camcorders.

- ▶ Detailed, high-definition audio with full low-end response
- Integrated digital fl ash recording (MicroSDHC, up to 32 GB) for WAV file capture at 24-bit/48 kHz sampling rate
- One-touch record buttor
- ▶ Dedicated headphone audio output for real-time headphone monitoring
- Intuitive menu and controls with five-position joystick and back-lit LCD screen
- ▶ Low cut filter & mic gain adjustments
- ► Integrated Rycote® Lyre® mount for robust shock isolation
- ▶ 10 hours battery life (record mode) from 2 AA alkaline batteries (included)
- Durable, all-metal construction with superior RF immunity
- ▶ Detachable 3.5 mm audio connector and foam windscreen included





#### **SHURE VP83**

Camera-Mount Shotgun Microphone. Ultra-compact, rugged microphone for high-definition audio capture with DSLR cameras and HD camcorders.

- Detailed, high-definition audio with full low-end response
- Easily accessible controls including three-position gain and low-cut filter switch
- ► Integrated Rycote® Lyre® mount for robust shock isolation
- 130 hours battery life from 1 AA alkaline battery (included)
- ▶ Durable, all-metal construction with superior RF immunity
- ▶ Attached 3.5 mm audio connector and foam windscreen included

#### VP83F/VP83 Accessories:

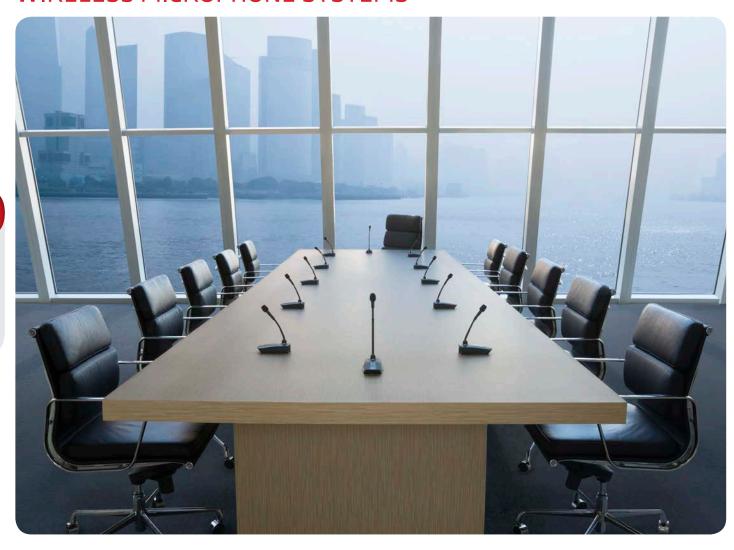


A83-W Foam Windscreen



A83-FUR Windiammer®

### WIRELESS MICROPHONE SYSTEMS



# **ELEGANT DESIGN, LIFELIKE AUDIO.**

# Microflex™ Wireless Systems

Enterprise-scale Microphone Solutions for Managed AV Environments



- Flexible mic options Gooseneck, boundary, bodypack and handheld microphones
- Modern, low-profile designs Fit comfortably into diverse AV environments
- Dante™digital audio networking Low latency, multichannel audio over Ethernet networks
- Advanced rechargeability Smart lithium-ion batteries enable remote monitoring
- Browser-based control software Comprehensive system setup and real time control
- Automated frequency coordination Ensures clean frequencies for every wireless channel
- Encrypted wireless AES-256 protection for secure over the air wireless audio











# Microflex Wireless Microphone Systems



Microflex™ Wireless systems bring vivid, lifelike audio to meetings, panel discussins, teleconferences and other applications in managed AV environments – from signature boardrooms and concentrated multi-room environments to networked corporate campuses.

#### Wireless Microphone Transmitters & Networked Charging Stations:



#### MXW2 Options:

- BETA58A
- ► BETA58#
  ► SM58
- SM86
- ► VP68

#### MXW2 Handheld Transmitter

Durable, lightweight handheld transmitter with integrated antenna. Accepts signature Shure vocal microphone capsules.



MXW6 Boundary Transmitter

Low-profile wireless boundary microphone offers flexible placement on any surface in front of one or multiple speakers.



MXW1 Hybrid Bodypack Transmitter

Compact bodypack with integrated omni microphone perfect for use on a lanyard or in a shirt pocket, with external mic input and belt clip included for attachment to clothing.

#### **MX WIRELESS MICROPHONE FEATURES:**

- AES-256 encryption
- Advanced lithium-ion rechargeability with up to 9 hours continuous use
- Programmable mute button
- Full range audio (mic dependent)
- Bi-directional wireless for real time remote control of microphone settings
- Up to 50 m transmission range
- Range warning alert emits beeping sound when range exceeded
- Connects to any standard USB power source for "always on" usage
- Standby mode significantly extends battery life during periods of inactivity
- Commonshield technology prevents audible interference from consumer wireless devices





MXWNCS4/MXWNCS8 Networked Charging Station

Versatile 4- and 8-bay chargers include docking USB charge ports that accept any Microflex Wireless microphone. Ethernet system connection supplies remote battery status monitoring via the control software and easy transmitter linking to the Access Point Transceiver.

#### Network Connectivity & Software Control:



#### **Microflex Wireless Control Software**

Browser based control software that offers comprehensive remote monitoring and control of all settings and status parameters over the web, a corporate network or an AV local area network.



#### MXWANI4/MXWANI8 Audio Network Interface

With per-channel analog outputs and a versatile 4 port gigabit Ethernet switch, these rack-mountable 4-channel and 8-channel units are the central point for connecting Microflex Wireless systems to teleconferencing and presentation AV networks.



MXWAPT4/MXWAPT8 Access Point Transceiver

Low-profile Access Point Transceivers maintain two-way audio and data links with 4 or 8 synced wireless microphones. The Access Point Transceiver features Power over Ethernet connectivity, is easily installed and connected to the network, and ships with wall/ceiling mounting plate and a paintable cover to match the room colour.

# **BLX Wireless Microphone Systems**

Shure BLX Wireless Systems combine professional-quality sound with simple setup and an intuitive interface for legendary audio performance right out of the box. Precision-built and available in a variety of configurations, it's the most accessible way to own the stage.

#### **Diversity Receivers:**



BLX4 Wireless Receiver



BLX4R Rack Mount Wireless Receiver

#### Additional BLX4R features:

- Adjustable output level
- Removable antennas for quick antenna distribution
- LCD display with detailed RF and audio metering
- Rugged metal construction, rack mount hardware included

# **BLX2 Options:** BETA58A PG58 SM58

Wireless Transmitters:

BLX2 Handheld Transmitter

BLX1 Bodypack



**BLX8 Dual Wireless Receiver** 

#### **BLX1 Bodypack System Options:**













#### **SHURE BLX WIRELESS**

- Up to 12 compatible systems per frequency band (region dependent)
- One-touch QuickScan frequency selection quickly locates the best open frequency in case of interference
- Up to 14 hours of continuous use from 2 AA batteries (included)
- Up to 300 ft (91 m) operating range for total wireless freedom
- XLR and 1/4" output connectors
- Rugged and reliable Shure construction
- Legendary Shure microphones options featuring integrated microphone capsule design

#### **BLX Wireless Microphone Systems:**

Handheld Microphone	Lapel Microphor
BLX24-PG58	BLX14-PG185
BLX24-SM58	BLX14-WL185
BLX24-BETA58	BLX14-WL93
BLX288-PG58	BLX188-PG185
BLX24R-SM58	BLX14R-WL185
BLX24R-BETA58	BLX14R-WL93
BLX288-PG58	BLX188-PG185
BLX288-SM58	Combo Systems
BLX288-BETA58	RI X1288-PG185

# BLX1288-PG185 BLX1288-PG30

#### **Headworn Microphone**

BLX14-PG30 BI X14R-PG30 BLX188-PG30

#### Instrument BLX14 w/WA302 BLX14R w/WA302 BLX14-BETA98 BLX14R-BETA98









WIRELESS SYSTEMS

# **GLX-D Wireless Systems**

Revolutionary Shure GLX-D Digital Wireless Systems combine leading-edge LINKFREQ Automatic Frequency Management technology with best-in-class intelligent lithium-ion battery rechargeability to define the new standard for seamless operation and digital audio clarity.

#### Wireless Receivers:



**GLXD4** Wireless Receiver



GLXD6 Wireless Guitar Pedal Tuner & receiver

#### Wireless Transmitters:



GLXD2 Options:

SM58 SM86 BETA58A BETA87A



GLXD1 Bodypack Transmitter

### **GLXD1 Options:**







WA302





BETA98H/C



#### **GLXD6** features:

Guitar pedal design for flexible use and foot

GLXD2 Handheld

Transmitter

- Integrated tuner (strobe and needle)
- LINKFREQ Automatic Frequency Management
- Operate up to 8 compatible systems
- Rugged metal construction

#### **SHURE GLX-D WIRELESS**

- Up to 200 feet (60 m) operating range (line of sight)Rugged and reliable
- Legendary Shure microphones options featuring an integrated microphone capsule design

#### **LINKFREQ Automatic Frequency Management**

- Revolutionary intelligent frequency management quickly identifies the best open group and channel frequencies
- Bi-directional communication link automatically enables the transmitter to follow any frequency change on the receiver

Continuous interference monitoring automatically and seamlessly switches to backup frequencies if needed, without performance interruption

Custom Shure rechargeable lithium-ion batteries deliver:

- Up to 10,000 hours of use per battery (compared to 2,500 hours for alkaline batteries)
- Up to 16 hours of continuous use
- 3-Hour charge = up to 16 hours use

#### Multiple Convenient Battery-charging Methods

Charge a battery:

- In the integrated charge port of GLXD4 while the system is in use
- In the USB Battery Dock Charger (available separately)
- While it is in the transmitter using the USB charge cable (included), SBC-USB USB Wall Charger (available separately), or SBC-CAR Car Charger (available













#### **GLX-D Wireless Microphone Systems:**

Handheld Microphone GLXD24-SM58 GLXD24-SM86 GLXD24-BETA58 GLXD24-BETA87

Lapel Microphone GLXD14-WL185 GLXD14-WL93 Headworn Microphone GLXD14-PG30

Instrument GLXD14 w/WA302 GLXD14-BETA98 GLXD16

# **DIS Conferencing Solutions**





# UNCOMPROMISING CLARITY, DELIVERED.

Information-sharing and decision-making depend on clear communication. DIS delivers scalable, future-proof solutions when hearing and being heard is essential.

Sound Quality. Constant innovation grounded in decades of practical experience enables us to offer sound quality unparalleled in other conference systems.

Custom Design. Whether it's an old congress hall or a new auditorium, the aesthetics of your space dictate the design of your DIS system, from components to color scheme.

Digital Portability. DDS 5900 and DCS 6000 are fully digital, with portable microcomputer-controlled units that offer simple and efficient setup anywhere.

#### **DDS 5900 DIGITAL DISCUSSION SYSTEM**

With plug-and-play setup and online event management capabilities, the DDS 5900 offers seamless event management for event participants and installers alike. The intuitive and ergonomic design allows users to fully focus on communicating and translating their message. For both small-scale rentals and permanent installations, the DDS 5900 is an affordable digital audio conferencing, two-language interpretation, and language distribution solution.

#### **FEATURES**

- ▶ Control of up to 250 discussions units with 2 language interpretation channels
- ▶ Control of up to 8 simultaneous open microphones with automatic Off function
- Support for 4 microphone operation modes
- ► TCP/IP Ethernet connection for external control
- DCS-LAN connection by use of CAT 5e (or higher) F/UTP or U/FTP cabling
- ▶ Discussion unit configurable as chairperson, delegate, or interpreter unit
- Scrambled audio for secure transmission

#### **System Components:**



#### Web Browser

#### Microphone control

- microphone control On/Off (speakers list, request list, last speakers list)
- system mode (select operation mode,mic parameters, loudspeaker control)

#### System set-up

- CU configuration
- delegate set up
- seat assignment
- name assignment t
   the seat
- ▶ input/outpiut control



#### CU 5905 Central Unit

Central unit with control for up to 250 discussion units and 2 interpretation channels. Web browser interface and remote control using TCP/IP connection. 4 analog outputs.



#### DC 5980 P Discussion Unit

Portable discussion unit configurable as either chairman, delegate with mute, delegate without mute or interperter unit. The unit features touch buttons, XLR gooseneck microphone connector, loudspeaker and headphone connector with volume control.



GM5923/24 Gooseneck Microphone

Standard lengths 40 cm and 50 cm

#### DCS 6000 DIGITAL CONFERENCE SYSTEM

Used in the most prestigious venues around the globe, DCS 6000 delivers crystal-clear digital audio when clarity, precision, and reliability are mission-critical. Scalable solutions meet the needs of any event or environment, from government installations to the Olympic Games. The user-friendly system can be easily configured and controlled by SW 6000 software or the central unit. Attractively designed microphone units are available in portable, tabletop, or mounted versions for permanent installations and rental events.

#### **FEATURES**

- Fully integrated with web streaming and archiving
- Easily interfaced to control systems such as AMX / Crestron®
- Audio encryption for secure transmission
- Upgradeable system design
- Simultaneous control of up to 8 active microphones plus 32 interpreted language • channels
- Individually adjustable sound level
- Seamless integration with outside audio and video equipment
- Language distribution through wired channel selectors or digital infrared distribution





VUS - Versatile, Upgradeable, Scalable. VUS the unique DIS feature which provides the best cost/benefit ratio for all users and applications, from large parliamentary solutions to smaller board rooms.

#### **System Components:**

#### **Central Equipment**



CU6011 / CU6005 Central Unit for interpretation microphone and voting control



EX6010 Extension unit with power supply and repeater



AUEUUS 8 channels analogue audio output unit



IB6104 lunction box for connecting one unit to each of the 4 output connectors



RP6004 Repeater for in/outgoing bus



PS6000 Power supply for providing additional power to the DCS-LAN



A06004 4 channels analogue audio output unit

#### Delegate/Chairman Equipment



DC6990P Universal unit with built in speaker XLR, chipcard reader, channel selector and touch screen



DM6680P Delegate unit with built in speaker, XLR, chipcard reader, channel selector



DC6120P Delegate/chairman unit with built in speaker



DM6680F Delgate microphone unit w/5 voting buttons. speaker, chipcard reader, channel selector and lockable XLR CM6680F Chairman version



MU6040D Microphone unit for cnnection of external microphone/buttons/ speaker. Delegate chairman and dual delegate versions MU6040C Chairman



FC6021 Chairman flush mount unit with loudspeaker and XLR, speak and mute hutton FD6121 Delegate version



FD6120 Delegate flush mount with loudspeaker and XLR, speak and mute hutton FC6020 Chairman



DM6060F Delegate microphone unit with built in speaker, and channel selector CM6060F Chairman version



DM / CM6 Delegate/Chairman customised microphone unit



DM6620F Delegate microphone unit with 5 voting buttons, speaker chipcard reader and lockable XLR



DV6501F Voting unit with 3 voting buttons and chip card reader



DC6190P Delegate/chairman unit with built in speaker, 2 channel selectors and XLR



AM6040 Ambient microphone unit for detecting ambient noise in a conference room



HM4042 Hand microphone



GM6622 Shotgun microphone



GM6523 / 24 / 25 Gooseneck microphone microphone 40. 50 and 60 cm long



#### Interpretation Equipment / Language Distribution



156132 Interpreter set for up to 32 channels



I S6132 Loudspeaker



RA6013 Digital radiator



**RA6025** Digital radiator



CS6032F Channel selector. horizontal, flush mount



CS6032F Channel selector. vertical, flush mount



DT6008 / DT6032 Digital infrared transmitter with 8 or 32 channels



DR6004 / 6008 / 6032 Digital infrared receiver 4. 8 or 32 channels



DH6001H Delegate headphone



DH6025 Delegate clip headphone



Delegate stetoscopic headphone



DH6021 Delegate stereo headphone



Conference Discussion



Simultaneous Voting & Audience Interpretation Response





Streaming & Archiving



Conference Management



Language Distribution



Touchscreen Conferencing



Standard CAT5e Cabling



Web Interface to 3rd Party Applications

## SE EARPHONES

Designed for Shure PSM systems, these award winning professional earphones deliver incredible sound and performance. They feature Sound Isolation Technology, a variety of cable configurations, and unique sound signatures.



#### **SHURE SE215-SPE**

Sound Isolating™ Earphones

Featuring Dynamic MicroDrivers, the SE215 has a newly tuned acoustic network to deliver detailed sound with extended low frequency performance. A distinctive translucent blue earphone color offers an exclusive look, and a detachable cable and multiple sleeve sizes ensure a comfortable fit and lifetime of use.

#### **SE846** QUAD DRIVERS

#### **SHURE SE846**

Sound Isolating™ Earphones

Quad High-Definition MicroDrivers with True Subwoofer deliver extended high-end clarity and unparalleled lowend performance in a patent-pending design. Customizable frequency response via changeable nozzles, detachable cable with wireform fit and a wide variety of accessories ensure an unequalled, perfectly tailored listening experience.



- Extended High-End Clarity with
   Unparalleled Low-End Performance
- Patent-Pending Design Includes Groundbreaking Low-Pass Filter
- Customizable Frequency Response
- Detachable Cable and Removable Nozzle
- Sound Isolating Design
- Premium Accessories
- ► 1-Year Limited Warranty

COMING SOON

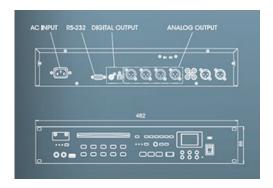
# MEDIA PLAYER/RECORDER

#### **INTER-M** CDR01 CD/MP3 PLAYER/RECORDER

The CDR-01 was designed from Inter-M's 30 years of research and development experience in sound equipment products. The CDR-01 is a multi-source player that can hold in memory the content of up to 6 standard compact discs. Memory playback gives instant access to stored tracks. Sound files can be recorded via an external microphone or analogue audio input.

The CDR-01 offers high quality playback and recording of multi-format audio on CD, internal virtual memory and removable SD card. Events and lectures can be recorded via the analogue XLR inputs and easily shared. Up to 6 entire CD's can be stored each in one of the 6 dedicated virtual CD internal memory locations. Tracks from the virtual stored CDs can be assigned to 10 instant play buttons. This allows for immediate instant playback of stored tracks. Inter-M raises the quality standard of CD players by using high-quality DACs and broadcast quality balanced output stages.

- SD Recorder
- Virtual Disc
- ▶ SD Memory Playback
- Instant / Auto Play / Pitch / Cue /
- Supports multi-format encoder
- ▶ Decoder such as CDA, WMA, MP3 and WAV
- High quality headphone output
- ▶ RS-232 Control port compatible with AMX, Crestron,
- ▶ Inter-m systems and other 3rd party controllers
- Multi I/O formats including AES/EBU, SPIDF and Optical



### TRANSMISSION



#### **INTER-M** AOE-212N ETHERNET AUDIO TRANSMISSION

THE AOE AUDIO over ETHERNET NETWORK is an easy to use solution for transporting audio signals over Ethernet TCP/IP based local and wide area networks (LAN/WAN), as well as the Internet.

#### Ethernet Transport

The AOE is a bidirectional 2 channel audio transmission over TCP/IP LAN or WAN Ethernet network. Control of Local and remote equipment is possible using the built in eight programmable trigger inputs to initiate and terminate audio transmissions, eight programmable open collector control outputs as well as the RS-232 and RS-422 serial port for data transmission/reception.

#### Hi Fi

Long-distance digital transmission of balanced analogue audio signal is possible without electro-magnetic interference, signal loss or distortion. High quality uncompressed 24bit digital audio at 48kHz transmitted over TCP/IP network with a S / N better than 85dB, THD less than 0.01.

#### Power Backup

Simultaneous support of AC and DC power offering un-interrupted broadcast with emergency battery back up in the event of a power outage.

#### Browser configuration

Easy to use browser based software allows for user system monitoring and control of the transmission matrix.

- ► Hi Fi audio
- ▶ 2 Input channels
- 2 output channels
- Data tunneling
- 8 contacts input / output dry contact
- ► Transfer data (422/232)
- 19200 bps data transmission
- AC and DC uninterruptable operation
- Browser-based programming
  - 1:1 (bidirectional)
  - 1:20 Unicast WAN/LAN : (16Khz is the recommended setting)
  - 1:200 Multicast LAN: (up to 48Khz)

# SCM820 Digital Intellimix Automatic Mixer



DIGITAL MIXER

The Shure SCM820 is an 8-channel digital automatic mixer designed for use in speech applications including sound reinforcement, broadcasting, and recording. It uses proprietary IntelliMix® technology to dramatically improve audio quality in any application where many channels of microphones need to operate simultaneously. Multiple I/O configurations and networking options ensure analog and digital connectivity between devices.



#### **SHURE SCM820**

8-Channel Digital Automatic Mixer, Block Connectors

#### Other SCM820 Options:

SCM820-DAN

8-Channel Digital Automatic Mixer, Block Connectors, Dante Digital Audio

SCM820-DB25

8-Channel Digital Automatic Mixer, DB25 Connectors

SCM820-DAN-DB25

8-Channel Digital Automatic Mixer, DB25 Connectors, Dante Digital Audio

#### Accessories:



A820-NIC-DANTE This upgrade card brings Dante digital audio to



DB25-XLRM / XLRF male / female audio snake for use with SCM820

audio snake for use with SCM820

#### **FEATURES:**

IntelliMix® Technology

- Delivers seamless automatic mixing and reduced background noise through dynamic channel gating and attenuation
- NAT (Noise Adaptive Threshold) continuously adjusts the activation threshold for opening a channel.
- Number of Open Microphones Attenuation (NOMA) determines the amount of gain attenuation for a mix output when the number of active microphones changes
- Last Mic Lock-On (LMLO) keeps the most recently activated microphone open until another microphone
- MaxBus ensures that only one channel is opened per sound source, reducing comb filtering for clear and intelligible speech.
- IntelliMix® Modes offer five different mixer mode presets of reliable automixing styles (Classic, Smooth, Extreme, Custom or Manual) to quickly tailor the mix for a particular application.

Enhanced I/O support for greater application flexibility and

- DB25 or logic-enabled block connector models available, each with 8 inputs
- Per channel direct outputs for use as an insert to a mixing console or recording
- Mix A and B outputs with selectable mic or line level, connect to a sound reinforcement system, mixing console, or recording device.
- Dual mixer operation enables routing of independent automixes to the mix A and B outputs, allowing two entirely different mixes to result from the same set of
- Aux inputs on both the front and back panel easily connect to media players
- 1/4" (6.35 mm) stereo headphone output for channel solo and mix monitoring

#### Comprehensive Control

Channel control knobs allow quick adjustment of gain, limiter and EQ settings, and solo/mute functions on input channels

- Output mix controls and meters enable front-panel master gain and limiter control as well as signal monitoring
- LED meter rings display input audio or IntelliMix gain levels for each channel
- Browser-based control software delivers comprehensive software control, monitoring, routing and configuration of all signals and settings and adds a parametric 8-band

#### Advanced Networking

- Standard Ethernet or Dante™ digital networked audio configurations available
- Dante-equipped models enable multi-channel audio networking over Ethernet.
- Dante Upgrade card available for standard Ethernet models
- Dante Virtual Soundcard license included to connect a computer to a Dante network for recording, playback, and internet calling between Dante-equipped devices
- Link Dante-equipped SCM820s to form large automixes of up to 12 units (96 channels of audio) Control system compatible (AMX, Crestron).

# **ZONE PROCESSOR**



#### **CLOUD DCM1E DIGITAL MIXER WITH ETHERNET**

The DCM1e is the new ethernet version of the popular DCM1 Digital Control Zone Mixer. The addition of an ethernet socket on the rear panel of the new DCM1e and an in-built ethernet web-server allows it to be connected via an RJ-45 socket to an independant or existing IT network. These new features mean the new DCM1e can be configured and controlled remotely by a device connected to the same network including PC, tablet and mobile device.

	Output Zones	line Inputs	Mic inputs
DCM1E	8 (2 stereo + 6 mono)	8 stereo	optional *





\*4 dedicated port for optional ME-1 wallplate modules. Multiple ME-1 modules can be linked together by Cat-5.

Available acessories:



Remote Music Source



Media Size Line Input Plate



Microphone Input Plate



**COMING SOON** 

BE1A Balanced Input

### MIXER AMPLIFIERS





#### **INTER-M MA-U SERIES**

- Built in MP3 / WMA / WAV player. Audio files are accessible via the front panel USB connector.
- SMPS Switch Mode power supply technology design delivers high power output with lowpower consumption and low weight.
- 6 input mixer amplifier with 5 microphone or line level selection (line-level input, mic level input, and phantom power)
- ▶ Signal indicator confirms and displays signal present for each input.
- 5-Band Equalizer for precision tone adjustment.
- Five zone speaker selector switch, allows for independent or all zone broadcast.
- ► Front panel CHIME and SIREN with external trigger.
- External MUTE and Telephone paging input.
- VCA remote master volume level control.
- ▶ 10 segment LED level indicator

	Mic/ Line Inputs	Mic Inputs	4Ω or 100V
MA-206U	5	1	60W
MA-212U	5	1	120W
MA-224U	5	1	240W



#### **CLOUD 46-120 / 46-120M SERIES**

**COMING SOON** 

The Cloud Electronics 46/120 is the long awaited big brother to the highly regarded and hugely successful 46/50 Multi Zone/Paging Amplifier. It offers simple, direct connection of 2 microphones and 6 music sources which can be routed to feed 4 different output zones with a mix of up to  $120w(4\Omega)$  or 100w (70v/100v per Zone) of high quality audio per zone. The 46/120 music programme and level can be controlled remotely as well as 20ne10 Optional Input/Remote Device (LM-2). An optional control interface card is available for RS232, Ethernet & Digital Paging (PM-4A) along with Clouds conventional paging facility.

The Media version plays MP3 or WMA files directly from a USB device or SD memory card plugged into the front panel of the unit, via a simple set of playback controls. All standard data rates and sampling frequencies are supported.

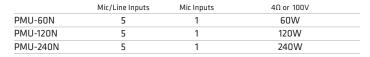
Designed, Built and Tested to Cloud Electronics commercial standard with proven heritage and backed with a 5 Year Commercial Warranty.

	Zones	Line Inputs	Mic Inputs	Other Outputs	Amps	
46/120M	4	6	2	Mono Utility	4 x 120W	



#### **INTER-M PMU-N SERIES**

The PMU-N Series are 6-input 60/120/240W mixer/ amplifiers with a built in digital portable media plyer that will playback MP3 / WMA / WAV audio fies. The PM series offers input flexibility with its 6 flexible microphone and line level selectable inputs. Direct PC USB connection is possible using the built in USB PC sound card. A network audio connection makes the PMU series amplifier great for background music applications that receive their audio program via network, LAN, WAN and internet TCP/IP or RTSP.





#### **COMING SOON**

- Built in MP3 / WMA / WAV player. Audio files are accessible via the front panel USB connector.
- Built in USB PC sound card permits direct input of PC Audio via rear panel USB Connector.
- Streaming Network audio input via rear panel RJ45 connector
- Large 2.8" Color LCD Display displays operation status as well as song and outnut Level.
- SMPS Switch Mode power supply technology design delivers high power output with low power consumption and low weight.
- 6 input mixer amplifier with 5 microphone or line level selection (lineinput, and phantom power)
- ▶ Signal indicator confirms and displays signal present for each input.
- Base and Treble tone adjustment.
- ► Five zone speaker selector
- ▶ Output zone 5 features a 3 position attenuator.
- Front panel CHIME and SIREN with ex
- ► External MUTE and Telephone paging input.
- VCA remote master volume level control.

COMING SOON

### POWER AMPLIFIERS



#### **QSC CXD SERIES**

Designed for System Integrators, CXD Series Processing Amplifiers represent a revolutionary advancement in technology and innovation. Featuring Flexible Amplifier Summing Technology™ (FAST), advanced DSP and loudspeaker management, next-generation Class D amplification and an unmatched user experience, CXD provides robust and extraordinarily high fidelity power to drive multiple channels and configurations of loudspeakers with minimal operator complexity.

- ► Flexible Amplifier Summing Technology™ (FAST) drives most any loudspeaker system or configuration by distributing total amplifier power across one, two, three or all four channels.
- Full function onboard loudspeaker processing DSP with Crossover and Parametric EQ Filters, Limiting and Alignment Delay eliminate the need for outboard loudspeaker processors.
- PowerLight universal switchmode power supply with PFC for highest effiency, improved audio performance, and low heat dissipation.
- Preset Wizard simplifies amplifier setup providing system design tools and loudspeaker selection from a list of speakers.
- Powerful Intrinsic Correction™ processing maximizes the sonic performance of OSC loudspeakers.
- 20 Factory Preset configurations that can be modified and stored in the 50 User Presets.
- Integrated front panel with channel Select and Mute buttons, Input and Output LED Metering, 400x240 LCD, intuitive navigation buttons, LED power button and indicator, and cast aluminum handles.
- GPIO for additional functionality including a heartbeat output for Life-Safety supervision.
- ► Four Input Phoenix connectors, and four Phoenix touch-proof Speaker

	Channels	4Ω	100V	
CXD4.2	4	400	-	
CXD4.3	4	625	500	
CXD4.5	4	1250	1000	



#### **OSC PLD SERIES**

PLD Series Processing Amplifiers represent a revolutionary advancement in technology and innovation. Featuring Flexible Amplifier Summing Technology™ (FAST), advanced DSP and loudspeaker management, next-generation Class D amplification with Power Factor Correction (PFC), and an unmatched user experience, PLD provides robust and extraordinarily high fidelity power to drive multiple channels and configurations of loudspeakers with minimal operator complexity.

- Flexible Amplifier Summing Technology™ (FAST) drives most any loudspeaker system or configuration by distributing total amplifier power across one, two, three or all four channels.
- Four channels of full function onboard loudspeaker DSP with Crossover and Parametric EQ Filters, Limiting and Alignment Delay eliminate the need for outboard loudspeaker processors.
- Powerful Intrinsic Correction™ processing maximizes the sonic performance of QSC loudspeakers.
- 20 Factory Preset configurations that can be modified and stored in the 50 User Presets.
- PowerLight universal switchmode power supply with PFC for highest effiency, improved audio performance, and low weight.
- Four Input XLR connectors, and six NL-4 Output connectors.
- Integrated front panel with channel Select and Mute buttons, Input and Output LED Metering, 400x240 LCD, intuitive navigation buttons, LED power button and indicator, and cast aluminum handles.
- Preset Wizard simplifies amplifier configuration providing loudspeaker selection from a list of the top selling passive speakers.

	Channels	4Ω	
PLD4.2	4	400	
PLD4.3	4	625	
PLD4.5	4	1250	

#### **INTER-M DSA-100D**

The DSA Series is a amplifier 4ohm/70/100v capable of delivering a total 100 watts x 2 of Power is housed in



half rack 1 RU compact chassis, this Class D amplifiers offer High power in reduced size and weight. The combination Class D type amplification circuitry combined with SMPS (Switch mode Power Supplies) creates a high efficiency amplifier offering reduced power consumption and low heat dissipation. The DSA-Series is a low impedance stereo amplifier and can deliver high impedance 70/100v output using the optional OPT-100 transformer. Ideal for applications where high power stereo amplification is required such as board room and class rooms.

	Channels	100V/ch or $4\Omega$	
DSA-100D	2	100W	

#### CLASS D

Class D audio amplifier offer greater power efficiency over traditional amplifiers. Among their advantages is their reduced physical size and lower heat dissipation. They offer less than 1% THD, total harmonic distortion with an increased signal to noise ratio to 90db and a widened frequency response from 30Hz ~ 18 KHz

Class D audio amplifier offers greater than 90% power efficiency over traditional amplifiers. SMPS - Switch mode power supply provides high efficiency and low weigh. Among their advantages is their reduced physical size and lower heat dissipation. The DPA series is fully equipped with a protection circuit against short circuit, overload, power and DC output. They offer less than 1% THD, total harmonic distortion with an increased signal to noise ratio to 90db and a widened frequency response from 30Hz ~ 18 KHz.

Hi definition sound is achieved by using high impedance matching transformer and noise cancelling balance audio input. The total harmonic distortion is reduced to less than 0.1% THD, with a high signal to noise S /N ratio of over 100dB with optimum broadband frequency response of 65Hz ~ 20kHz.

#### LCF (Low Cut Filter)

A LOW CUT FILTER, helps to improve speech intelligibility and protects output from unwanted low frequencies.

### LOUDSPEAKERS

# AcousticPerformance Series



QSC AcousticPerformance™ is a line of professional, two-way full range, loudspeakers, ideal for a variety of installed sound reinforcement applications requiring high power in a stylish enclosure. All models feature a 3-inch voice coil compression driver combined with high-output woofers to deliver exceptional full bandwidth reproduction.

The uniform power-response of AcousticPerformance loudspeakers is a result of DMT™ (Directivity Matched Transition), a design approach that matches the compression driver to the natural coverage angle of the woofer in the cross-over region. Key to the extraordinary accuracy and flat power response of the AcousticPerformance line are the axisymmetric waveguides which help deliver remarkably consistent coverage with smooth and accurate reproduction both on and off-axis.

AcousticPerformance™ models may be used in passive (full-range) mode to minimize amplifier channel count or bi-amp mode for greater control and performance. To further enhance performance, bi-amp and full-range tunings using QSC Intrinsic Correction techniques are available for Q-Sys™ and future QSC products.

- DMT™ (Directivity Matched Transition) ensures smooth, coherent power response across the listening plane
- ▶ 3" diaphragm compression delivers a clean and powerful high frequency response
- ▶ M10 fittings and yoke mount fittings offer flexible deployment options for a variety of applications
- ▶ Clean industrial design with unadorned grilles complement most decors and settings
- ▶ NL4 Speakon connector and covered barrier strip terminals\*
- ▶ Bi-Amp / Passive Switchable
- ► Constructed from 15-ply Baltic birch plywood
- 16-Gauge powder coated steel grilles
- ▶ Available in black (RAL 9011) and white (RAL 9010) \* 5122m Available in Black Only
- Complete EASE, CAD & BIM information available online



#### QSC AP5102 HIGH POWER 2-WAY 10"

Power Continuous (W)450
MAX SPL (dB) 121
Nominal coverage (-6dB) 105°
Weight (kg) 21.7 kg
Dims (HWD mm) 559 x 305 x 267
Flypoints M10
Optional acc AP-YM10, M10KIT

#### QSC AP5122 HIGH POWER 2-WAY 12"

Power Continuous (W)550
MAX SPL (dB)
Nominal coverage (-6dB)90°
Weight (kg)29.5 kg
Dims (HWD mm) 660 x 305 x 267
Flypoints M10
Ontional acc AP-VM10 M10KIT

#### QSC AP5152 HIGH POWER 2-WAY 15"

Power Continuous (W)625
MAX SPL (dB)
Nominal coverage (-6dB)90
Weight (kg)36.2 kg
Dims (HWD mm) 813 x 445 386
Flypoints M10
Optional acc M10KI7

#### **QSC AP5122M** HIGH POWER 2-WAY 12"

Power Continuous (W)550
MAX SPL (dB)
Nominal coverage (-6dB)90
Weight (kg)29.5 kg
Dims (HWD mm)660 x 305 x 267
Flypoints M10
Optional acc AP-YM10, M10KI7

# **SUBWOOFERS**

#### **QSC** GP218-SW / GP118-SW

The GP218-sw and GP118-SW are premium, high-performance, rectangular dual / single 18" subwoofers designed for ground stacked use in the most demanding touring or installed concert applications. With an impressive combination of punch, low-frequency extension and musical accuracy, these are an ideal companions for the Acoustic Design Series loudspeakers.

#### **QSC** GP218-SW

#### **DUAL 18" GROUND SUPPORT SUB**



Power Continuous (W) 1700
MAX SPL/1m (dB) 134
Freq Response (-10db)27Hz - 1kHz
Impedance (Ohms)

#### FEATURES:

- GP118 features one premiumgrade, long excursion, high power 850 W 18-inch transducer
- GP218 features dual premium-grade, long excursion, high power 850 W 18-inch transducers
- Interlocking feet and recess features allow for rigid vertical stacking
- M10 fittings allows for suspension in permanent and portable applications
- Dual NL4 Speakon™ connectors
- ▶ 18mm Baltic birch plywood construction
- ▶ 16-Gauge powder coated steel grilles

#### **QSC** GP118-SW

#### **18" GROUND SUPPORT SUB**

Power Continuous (W)850
MAX SPL/1m (dB) 129
Freq Response (-10db) 24Hz - 1.2kHz
Impedance (Ohms) 4 $\Omega$



# AcousticDesign Series - New Models

AcousticDesign loudspeakers are premium, surface mount enclosures ideal for a wide range of commercial and performance sound reinforcement applications. With both constant voltage (70/100V) and low impedance operating modes, AcousticDesign loudspeakers feature an elegant design that is perfect for restaurants, retail or any other space requiring high quality distributed audio.



#### **QSC** AD-S8T / S10T / S12

AcousticDesign™ S8T, S10T and S12 surface mount loudspeakers are professional, 70/100V, two-way, fullrange systems ideal for a wide variety of foreground and background sound reinforcement applications. Ease-of-installation is the driving principle behind this next generation of small format, surface mount loudspeakers. Innovations found on new AD-S loudspeakers enable designers and integrators to quickly and easily specify and install a system. AD-S loudspeakers are also a perfect solution to serve ancillary loudspeaker needs as part of a larger installed sound system.

Installers will appreciate flexible mounting options. Euroblock connectors allow pre-wiring of the system and the included X-Mount™ hardware enables the installer to mount the bracket and then simply lift the loudspeaker onto the mount and lock it into place. S8T, S10T and S12 loudspeakers can be easily mounted to any weight bearing, flat surface. Knurled surfaces on the mount's pivot points ensure that the loudspeaker deployment angle stays fixed and will

not slip over time. S8T, S10T and 12 models also feature M10 installation points for suspending the loudspeaker via eye-bolts or an optional yoke bracket.

Housed in rugged ABS enclosures for long-term durability, S8T, S10T and S12 loudspeakers employ DMT™ (Directivity Matched Transition), which matches the LF and HF coverage at the crossover point. This ensures even coverage across the listening plane for smooth, coherent audio reproduction. To further enhance performance, tunings using QSC Intrinsic Correction™ techniques are available for Q-Sys and CXD amplifiers. Moreover, the low saturation transformers offer premium performance on 70/100V distributed audio lines.

Presenting a clean, unobtrusive look, AD-S grilles are unadorned eliminating the need to cover obtrusive logo treatments. AD-S loudspeakers are available in either black (RAL 9011) or white (RAL 9010) and may be painted to match any décor.





**QSC AD-S8T** HIGH POWER 2-WAY 10"

Power Continuous (vv)
MAX SPL (dB)
Nominal coverage (-6dB)10
Weight (kg)
Flypoints M
100V Taps 60,30,15



**QSC** AD-S10T HIGH POWER 2-WAY 12"

Power Continuous (W)250
MAX SPL (dB)
Nominal coverage (-6dB)90°
Weight (kg)
Flypoints M10
100V Taps



**QSC AD-S12** HIGH POWER 2-WAY 15"

Power Continuous (W)30
MAX SPL (dB)
Nominal coverage (-6dB)7
Weight (kg)
Elypoints M1

#### Optional accessories



#### X-MOUNT

Enables the loudspeaker to be easily installed and deployed in a variety of angles without slipping over time.







**AD-YM YOKE MOUNT** 



M<sub>10</sub>-KIT

# Wireless Microphone Usage in NZ Update

The NZ government is making changes to the wireless spectrum which will affect all wireless microphone users. Whilst not much is set in stone at this stage, it does seem likely that a number of changes will happen which we will try to outline as simply as possible here.

- In the final quarter of 2013 the government will auction off frequencies in the 698-806 MHz range. If your wireless microphone system is more than 2 or 3 years old it is likely to be in this range.
- From January 1 2014 successful bidders of these frequencies can begin to use them and if your wireless microphone
  interferes with the owner of these frequencies you must stop using your wireless mic. It is expected that this frequency
  range will predominantly be used for mobile broadband.
- On March 11 2015 the current licence for the 698-806 MHz band will expire and wireless microphone users in this range will not legally be able to operate.
- From December 1 2013 it is anticipated that Maori TV will be allocated TV channels 38 and 39 which operate from 606-622 MHz, therefore this range will be unavailable to wireless microphone users.
- From 30th November 2013 the 582-606 MHz range will become available to wireless microphone users.

So what frequencies are available to wireless microphone users in the medium to long term? It would seem that frequencies between 510-606 MHz and then 622-698 MHz will be the frequencies legally available; however, this is not the end of the saga... Within those frequency ranges, digital TV stations will also be operating and this will vary region to region. If your wireless microphone is in this range it is unlikely to operate properly.

In order to future proof your wireless microphone systems as much as possible when buying here are a few suggestions:

- Check the frequency or frequency range and if it's in the 700 or 800 MHz range do not buy it. No reputable dealer should be selling these wireless systems.
- Some cheaper systems are fixed frequency which means that if you run into issues you cannot change the frequency. I would suggest avoiding fixed frequency systems. Generally speaking, the more money you spend, the greater the number of frequency selection and wider range you get.
- Consider buying a digital system especially if using multiple systems as you can fit many more wireless channels in the same amount of spectrum compared with using analogue. For example, you can use 64 channels of Shure's ULXD wireless in a single TV channel block (8 MHz) as opposed to about 6 wireless channels of a standard analogue system.
- Always talk to a reputable wireless dealer before making a decision

At Now Sound we distribute Shure microphones considered by many as the world leaders in wireless microphones.

System	Band/Range	RRP Price Range	Channel	Wireless Mics in Similtaneous
SVX	558-570 (12 MHz)	<\$1000	8	.4
BLX	614-638 (24 MHz)	\$1000-\$1500	>100	12
SLX	518-542 (24 MHz) Also available 638-662 (24 MHz)	\$1500-\$2000	72	12 (Up to 20 systems across multiple dands)
UHFR	518-578 (60 MHz)	>\$3000	>200	47
ULXD	534-598 (64 MHz)	>\$3000	380	>100
Axient AXT400	W:J-L 470	-698 (228 MHz)	200	

# **Audio Integration & Support**

Now Sound is dedicated to supporting it's strong nation-wide network of Dealers. Now Sounds Audio Integration and Support (AIS) was created to assist all Now Sound Dealers throughout NZ.





Daniel Larsen began his career in live sound engineering in 1999 and started out as a FOH engineer. He is still actively involved in the music industry touring and working with local and international acts.

His academic studies include a Bachelor of Arts Honours degree in recording arts, electrical engineering & Cisco networking modules and a certificate in teaching. He was appointed as technical support and lecturer for a leading Audio college and went on to start his own audio installation company and has project managed, designed and implemented many systems for well-known hotels, bars, schools and churches throughout New Zealand.

Daniel was employed by Now Sound August 2012 as Technical Support for the Now Sound range of products.

#### **Daniel Larsen**

dlarsen@nowsound.co.nz 021 858 610

#### **Sound Engineering:**

- David Guetta
- Lady Hawke
- Kora
- Batucada Sound Machine
- Caspa
- Mt Eden Dubstep
- Rhombus
- Tiki
- Sola Rosa
- New Way Home
- David Dallas
- Russell Garcia
- Six60
- Tahuna Breaks
- Autozamm
- LA Mitchell
- Nathan Haines

#### **Programming Experience:**

- Rydges Hotel
- Novotel Hotel
- Jacktar Bar
- No1 High Street
- Cock and Bull Bars
- Taupo Event Center
- Suncourt Conference Rooms
- ANZ National Bank Data Centre
- MOTAT
- Alfriston College
- Point View School
- Elim Church

Stockcode

St Georges Church

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## **ALPHABETICAL INDEX**

**Pages** 

	_
AD-S8T/S10T/S12T	16
AM6040	10
A06004/6008	10
AOE212-N	11
AP5102/5112/5152/5112M	15
BLX1/2/4/4R/8	7
BM6022	10
CDR01	11
CS6032F	10
CU5905	9
CU6005/6011	10
CVB	3-4
CVG	3-4
CVO	3-4
CXD4.2/4.3/4.5	14
DC6120P	10
DC6190P	10
DC5980P	9
DC6990P	10
DCM1E	12
DH6001H	10
DH6023	10
DH6025	10
DH6021	10
DM6060F	10
DM6620F	10
DM6680F	10
DM6680P	10
DR6004 / 6008 / 6032	10
DSA-100D	14
DT6008 / DT6032	10
DV6501F	10

Stockcode	Pages
EX6010	10
FC6021	10
FD6120	10
GLXD1/2/4/6	8
GM5923/24	9
GM6523/24/25	10
GM6622	10
<u>GP118-SW</u>	15
GP218-SW	15
HM4042	10
IH6000	10
IS6132	10
JB6104	10
LS6132	10
MA206-U/212-U/224-U	13
MU6040D	10
MXW1/2/6/8	5-6
MXWANI4/8	5-6
MXWAPT4/8	5-6
MXWNCS4/8	5-6
PLD4.2/4.3/4.5	14
PMU-60N/120N/240N	13
PS6000	10
RA6013	10
RA6025	10
RP6004	10
SCM820	12
SE215-SPE	11
SE846	11
VP83	4
VP83F	4



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